

IN THE CLAIMS:

Please cancel currently pending Claims 1, 3, 8, 10, 15, and 17 without prejudice.

- 1 1. (Cancelled)
- 1 2. (Previously Cancelled)
- 1 3. (Cancelled)
- 1 4. (Currently Amended) A system for sensing the presence of tailings in a combine,
2 comprising:
3 a tailings sensor configured to generate a signal indicative of a flow rate of
4 tailings;
5 a first microcontroller module coupled to the tailings sensor and configured to
6 receive the signal and filter it by clipping transient excursion noise. The system of claim
7 3, wherein the first module is configured to notch filter the signal at a natural frequency
8 of the tailings auger and to clip positive-going sensor signal excursions, and wherein the
9 sensor is disposed adjacent a laterally-extending tailings auger between adjacent
10 sidewalls of the combine; and
11 a second microcontroller module configured to receive the filtered signal and
12 display it.
- 1 5. (Original) The system of claim 4, wherein the first module is configured to low-
2 pass filter the clipped sensor signal.
- 1 6. (Original) The system of claim 5, wherein the second module is configured to
2 display the low-pass filtered signal.